

PTO/SB/08a/b (07-05)

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Substitute for form 1449A/B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/821,399-Conf. #2449
		Filing Date	July 18, 2003
		First Named Inventor	Koji Yonehara
		An Unit	1764-1155
		Examiner Name	Not Yet Assigned <i>Taylor</i> ✓ 02
Sheet 1 of 1	Attorney Docket Number	21581-00298-US1	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>20</i>	AA*	US-6,229,028-B1	05-08-2001	Neumann et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>4</sup>
<i>20</i>	BA	CN-1260786-A	07-19-2000	YISSUM RESEARCH DEVELOPMENT COMPANY OF THE HEBREW UNIVERSITY OF JERUSALEM		✓
	BB	WO-98/54165-A1	12-03-1998			

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \* CITE NO.: Those application(s) which are marked with an asterisk (\*) need to the Cite No. are not supplied (under 37 CFR 1.99(e)(2)(ii)) because that application was filed after June 30, 2003 or is available to the IPW. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinda Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.2). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>20</i>			

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	<i>Taylor</i>	Date Considered	3/15/06
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PTO/SB/08a/b (06-03)

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		Application Number	10/621,399		
		Filing Date	July 18, 2003		
		First Named Inventor	Koji Yonehara		
		Art Unit	N/A 1625		
		Examiner Name	Not Yet Assigned Taylor		
Sheet	1	of	1	Attorney Docket Number	21581-00298-US1

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		Number-Kind Code <sup>2</sup> (if known)			
2A	AA	US-2,870,171	01-20-1959	Gable	

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
2A	BA	EP-0109273-A1	05-23-1984	Venturello et al.		
2A	BB	WO-93/00338	01-07-1993	Brown et al.		

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2A	CA	T. YAMAGUCHI, ET AL. "Isomerization and Disproportionation of Olefins over Tungsten Oxides Supported on Various Oxides", Journal of Catalysis 65, 442-447 (1980).			
	CB	L. L. MURRELL, ET AL., "Supported Transition Metal Oxides as Acid Cracking Catalysts: Periodic Trends and Their Relationship to Activity and Selectivity", Journal of Catalysis 107, 463-470 (1987).			
	CC	OSTROMECKI ET AL., "The Influence of metal oxide additives on the molecular structures of a surface tungsten oxide species on alumina: I. Ambient conditions", Journal of Molecular Catalysis A: Chemical 132 (1998) p. 43-57.			
	CD	E. BRIOT ET AL., "Aqueous acidic hydrogen peroxide as an efficient medium for tungsten insertion into MCM-41 mesoporous molecular sieves with high metal dispersion", Journal of Materials Chemistry, 2000, 10, p.953-958.			
	CE	T. SAKAMOTO ET AL., "Selective epoxidation of olefins by hydrogen peroxide in water using a polyoxometalate catalyst supported on chemically modified hydrophobic mesoporous silica gel", Tetrahedron Letters 41 (2000) p. 10009-10012.			
	CF	Y. WATANABE ET AL., "Epoxidation of alkenes catalyzed by heteropolyoxometalate as pillars in layered double hydroxides", Journal of Molecular Catalysis A: Chemical 145 (1999) 281-289.			
	CG	R. JIN ET AL., "Selective Oxidation of Cyclopentene to Glutaraldehyde by H <sub>2</sub> O <sub>2</sub> over the WO <sub>3</sub> /SiO <sub>2</sub> Catalyst, Journal of Catalysis 203, p. 75-81 (2001).			
	CH	Z. ZHANG ET AL., "Synthesis, characterization, and catalytic testing of W-MCM-41 mesoporous molecular sieves", Applied Catalysis A: General 179 (1999) 11-19.			
	CI	R. NEUMANN ET AL., "Metal Oxide (TiO <sub>2</sub> , MoO <sub>3</sub> , WO <sub>3</sub> ) Substituted Silicate Xerogels as Catalysts for the Oxidation of Hydrocarbons with Hydrogen Peroxide", Journal of Catalysis 166, 206-217 (1997) Article No. CA971479.			

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1	Attorney Docket Number	21581-00298
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### Complete if Known

Application Number	10/621,399
Filing Date	July 18, 2003
First Named Inventor	Koji Yonehara
Art Unit	4764 1825
Examiner Name	Not Yet Assigned <i>Flynn</i>

### U.S. PATENT DOCUMENTS

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<i>no</i>	AA	US-5,430,161	07-04-1995	Brown et al.	

### FOREIGN PATENT DOCUMENTS

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<i>no</i>	BA	-WO 94/21583	09-29-1994	Solvay Interlox Limited		
	BB	-GB 2 309 655 A	08-06-1997	The Technische Universiteit Delft		
	BC	-EP 0 930 308 A1	07-21-1999	Enichem S.p.A.		
<i>✓</i>	BD	-WO 99/62894	12-09-1999	The Dow Chemical Company		

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